Lesson 7



1 Choose the correct answer:

1. Online libraries may include ....
   a. dictionaries b. encyclopedias c. all the previous
2. A Creative Commons search is a resource to find .... materials.
   a. copyright-free b. protected c. digital
3. Online libraries, such as .... have secure and verified information.
   a. Wikipedia b. Alexandria Library c. social media
4. .... provide clear and accurate directions to the required places.
   a. Online libraries b. Online museums c. Online maps
5. .... allow(s) you to read more about the site before clicking on the link.
   a. Online libraries b. Meta information c. Egyptian Knowledge Bank
6. .... are reference sites that allow you to view museums digitally.
   a. Online libraries b. Online museums c. Online maps
7. .... are helpful for searching different media, such as images or videos online.
   a. Online libraries b. Online museums c. Online maps
8. Copyright notice, logo, and contact information are placed at the .... of the website.
   a. top b. middle c. bottom
9. We can use specialized search engines, such as ....
   a. Bing b. Google Chrome c. a & b
10. The meta information of the sites includes ....
    a. keywords b. information about the site c. a & b
11. The meta information for the sites are placed .... each link.
    a. above b. below c. opposite to

2 Put (✓) or (✗):

1. Online libraries are helpful for searching different media, such as images or videos. ( )
2. The sources of online libraries are verified and accurate. ( )
3. Google Maps are considered accurate and are regularly updated. ( )
4. General search engines are useful and lead you to reliable pages. ( )
5. All online information is trusted. ( )
6. Online libraries sometimes include dictionaries, thesauruses, and encyclopedias in the same site. ( )
7. You can visit museums digitally through online museums. ( )
8. One of the most famous search engines is Bing. ( )
9. It is not necessary to use appropriate keywords in your search. ( )
10. To display an area map, you can check online maps with the help of your teacher. ( )
11. Specialized search engines may lead you to unreliable or unsafe pages. ( )
12. Clicking on the links at the bottom of websites can help you decide if the site is reliable or not. ( )

3 Complete the following sentences using the words between the brackets:

(Google or Bing - meta information - Online museums - Online maps - Online libraries)

1. .... generally include information about each museum.
2. .... such as Alexandria Library and EKB have secure and verified information.
3. A website's .... tells you keywords and information about the site, and what it contains.
4. Specialized search engines, such as .... are very useful to look for information online.
5. .... provide clear and accurate directions to the required places.





Lesson 8

1 Choose the correct answer:

1. .... communication needs instant response.
   a. Synchronous   b. Asynchronous   c. Both of them
2. .... is an example of synchronous communication.
   a. Email   b. Live TV show   c. Recorded video
3. .... communication is/are type(s) of digital communication.
   a. Synchronous   b. Asynchronous   c. Both of them
4. .... communication doesn't (don't) occur in real time and doesn't (don't) require an instant response.
   a. Synchronous   b. Asynchronous   c. Both of them
5. Instant chat rooms are examples of .... communication.
   a. synchronous   b. asynchronous   c. both of them
6. Email, voice messages and text messages are examples of .... communication.
   a. synchronous   b. asynchronous   c. both of them
7. .... communication is/are useful when you are writing about serious or complicated matters with someone you don't know well.
   a. Synchronous   b. Asynchronous   c. Both of them
8. .... communication is/are useful when you are writing about everyday matter to family and you need an immediate or quick response.
   a. Synchronous   b. Asynchronous   c. Both of them
9. .... communication is/are useful when you are writing about an issue with someone in authority and you don't need an answer right away.
   a. Synchronous   b. Asynchronous   c. Both of them
10. .... is/are real-time communication between people.
   a. Synchronous   b. Asynchronous   c. Both of them

2 Put (✓) or (✗):

1. Synchronous communication does not occur in real time communication. (   )
2. Asynchronous communication is real-time communication. (   )
3. Always be sure your message is clear when communicating online. (   )
4. It's easy to understand the other people when communicating online. (   )
5. Synchronous communication is useful any time. (   )
6. Synchronous communication is useful when you need an immediate response. (   )
7. Always be sure your message is clear when communicating online. (   )
8. There is just one type of communication. (   )
9. Video chats and live TV shows are examples of asynchronous communication. (   )
10. Asynchronous communication does not require an instant response. (   )
11. Recorded videos are examples of asynchronous communication. (   )

3 Complete the following sentences using the words between the brackets:

(Email- Synchronous communication - Live TV show - Asynchronous communication - helpful)

1. .... is an example of asynchronous communication.
2. Part of being a good digital citizen is to be ....
3. .... is a real-time communication and needs immediate response.
4. .... does not occur in real time and does not require an instant response.
5. .... is an example of synchronous communication.

Lesson 1



1 Choose the correct answer:

1. Dr. Diego Ponce de Leon holds a PhD from the University of ________.
   a. Chicago   b. California   c. New York
2. ________ is one of the renewable energy sources.
   a. Natural gas   b. Wind   c. Coal
3. Dr. Diego Ponce de Leon develops the use of technology to build data systems related to ________.
   a. renewable energy   b. fossil fuels   c. debris
4. Fossil fuels are found in nature in the form of ________.
   a. coal   b. natural gas and oil   c. a&b
5. Recently, ________ are being used instead of power generated from fossil fuels.
   a. wind and solar power
   b. natural gas and oil   c. a&b
6. Dr. Diego Ponce de Leon's work helps devices work efficiently by connecting the refrigerators and air conditioners together with ________ and programming a computer to control them.
   a. Wi-Fi   b. thermostat   c. bluetooth
7. Dr. Ponce de Leon used the ________ to monitor how much energy do the refrigerators and air conditioners used throughout the day.
   a. sensors   b. thermostat   c. mobile
8. Thermostat is used in refrigerators to measure the ________.
   a. temperature   b. energy   c. humidity
9. Dr. Diego Ponce de Leon used ________ to monitor the appliances
   a. sensors   b. thermostat   c. Wi-Fi
10. The electricity used by air conditioners in the summer is ________ in the winter.
   a. more than   b. [illegible] than   c. the same

11. In Egypt, data and information management system was built to improve the .... system.
   a. investment   b. irrigation   c. industry

2 Put (✓) or (✗):

1. Dr. Diego used technology to reduce energy waste. (   )
2. Thermostat is a device that communicates information back to a computer. (   )
3. The electricity used in a certain town changes throughout the day.(   )
4. The electricity used by air conditioners in the summer is less than in the winter. (   )
5. There is just one way to produce energy. (   )
6. Dr. Ponce de Leon was able to balance the power grid by moving and storing the electricity. (   )
7. We can store and move electricity from one place to another. (   )
8. We can use technology to solve many problems. (   )
9. Egypt uses data and information management systems. (   )
10. The use of technology to collect data is unimportant in future planning. . (   )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Sun and wind	a. Using technology to collect data in planning.
2 Coal and oil	b. Measures temperature
3 Sensor	c. Fossil fuels.
4 Thermostat	d. Communicates information back to a computer.
5 Crucial	e. Renewable energy sources.

1 .... 2 .... 3 .... 4 .... 5 ....

Lesson 2



1 Choose the correct answer:

1. To solve the problem of screen freezes, you can use the .... buttons.
   a. Alt, Tab, and Del   b. Alt, Ctrl, and Del   c. Alt, Ctrl, and Tab
2. If you don't use official stores, only download software from .... sources.
   a. reliable   b. unreliable   c. harmful
3. If you downloaded a software program, you can find the program in .... folder.
   a. Installed   b. Favourites   c. Downloads
4. To turn your device off , press and hold down the .... button.
   a. power   b. Esc   c. enter
5. Computers use .... numbers system to store data more efficiently.
   a. binary   b. decimal   c. octal
6. Computers understand .... signals
   a. optical   b. electrical   c. a&b
7. The binary system uses the values .... to express the binary numbers system.
   a. 0   b. 1   c. a&b
8. In computer binary system, number (1) means ....
   a. on   b. off   c. pass

2 Put (✓) or (✗):

1. It is recommended to update software programs on your computer. (   )
2. You must install updates for programs manually. (   )
3. Software programs, such as Microsoft Office and Google. (   )

4. "Screen freezes" is one of the common problems when using PC. ( )
5. Binary system uses the values (1&2). ( )
6. Some programs can be updated automatically. ( )
7. All software updates require a restart. ( )
8. All online sources are safe to download programs. ( )
9. Users can face various problems when using computers. ( )

3 Complete the following sentences using the words between the brackets:

(30 second - binary system - Updates - power - Office 365)

1. .... is an example of software programs that can be downloaded.
2. To turn your cell phone off, press the .... button for ....
3. Computers use .... to store data more efficiently.
4. .... help programs to run more efficiently

4 Rearrange the following settings to update a software program on your PC:

1. Windows update ( )
2. Settings ( )
3. Start button ( )
4. Update and Security ( )

Lesson 3



1 Choose the correct answer:

1. Computers are simple and efficient like a ....
   a. light switch b. light lamp c. TV
2. Computers only understand information represented by ....
   a. 1s b. 0s c. a&b
3. The binary numbers system is used to store, send, and receive date on ....
   a. computers b. calculators c. a&b
4. Humans use the .... system to communicate using numbers.
   a. binary b. decimal c. octal
5. The .... system is called the base two system.
   a. binary b. decimal c. octal
6. The .... system is called the base ten system.
   a. binary b. decimal c. octal
7. In the decimal system, we use .... number symbols to represent all possible numbers.
   a. one b. two c. ten
8. The binary system is used to send, receive, and .... information on digital electronic devices.
   a. process b. delete c. store

2 Put (✓) or (X):

1. Computers understand information represented by on/off. (   )
2. The number 7 in the binary system is equivalent to (111) in the decimal system. (   )

3. The binary numbers system is used to store date only on computers. ( )
4. The decimal system is called base ten system. ( )
5. The binary numbers system has just two numbers (1&2). ( )
6. The binary numbers system is called base ten system. ( )
7. The decimal system is used in cell phones to store data. ( )

3 Complete the following table:

Decimal	Binary
	0001
9	
	0101
8	
	0110
7	
2	
	0100

Lesson 4



1 Choose the correct answer:

1. Dr. Ponce de Leon uses technology to collect data to .... for the future.
   a. plan b. manage teams c. save energy
2. Microsoft Word can be edited by numerous users in different locations, if there is an available ....
   a. keyboard b. printer
   c. internet connection
3. You can use .... to save the images you create and insert them into your document.
   a. Microsoft Word b. Paint c. email
4. You can use .... to send your work to your colleagues.
   a. Microsoft Word b. Paint c. email
5. One of the most important issues in achieving your research project is ....
   a. data b. texts & pictures c. a&b

2 Put (✓) or (✗):

1. Dr. Ponce de Leon uses technology to collect data to plan for the future. (   )
2. Microsoft Word is one of Microsoft Office 365 programs. (   )
3. It is not available to edit a Word document by different users in different places. (   )
4. it is not necessary to plan to your project. (   )
5. One of the tools you may need for a group project is email. (   )
6. You can't attach a document to your email. (   )

7. Assigning roles to the group members is crucial when starting a project. ( )
8. Identifying the personal characteristics of team members can benefit the group. ( )
9. You have to discuss the tools needed to complete each section of the project after finishing the project. ( )
10. Be sure to answer any questions the group members may have. ( )
11. You can't insert an image into a Word document. ( )

3 Complete the following sentences using the words between the brackets:

(Paint - roles - Email - MS Word- technology)

1. .... is one of the programs may be used in preparing the project.
2. Before starting a project, you have to assign .... to group members.
3. .... is used to send documents to project members.
4. To edit and save images, you can use .... program.
5. You can use .... to collect data to plan for the future.

Lesson 7





Al-Faez Questions ?

★ First: Complete from words between brackets:

(Alexandria - Creative Commons - encyclopedias – Online libraries - Google Maps)

1. ….., are helpful for searching media (images or videos).
2. Online libraries such as the ….. Library and the EKB have secure, verified information.
3. ….. are considered accurate and are regularly updated.
4. Online libraries include dictionaries, thesauruses, and …., but these are on separate sites.
5. A ….. search is a resource to find copyright-free information. But not all sources posted are verified or accurate.

★ Second: Put (✓) or (×):

1. If you need to display a street, or an area map, always check online maps. (   )
2. Specialized search engines such as Google or Bing are very useful. (   )
3. Websites do not include meta information. (   )
4. Online museums can be reference sites that allow you to view museums digitally. (   )
5. The site's meta information does not allow you to read more about the site before clicking on the link. (   )





Al-Faez **Questions** ?

★ First: Complete from words between brackets:

(recorded videos - real time - message - Respect - Synchronous communication)

1. Asynchronous communication tools include email, voice and text messages and ....
2. ...... is real-time communication between people.
3. Whenever you're communicating, you should be polite. .... the recipient's feelings, even if you're upset about something.
4. If you're sending a .... to a close friend, give him time to respond before sending another message, he may be busy.
5. Asynchronous communication is communication that does not occur in .... and does not require an instant response.

★ Second: Put (✓) or (×):

1. Part of being a good digital citizen is helping others when you're communicating. (   )
2. Asynchronous communication using digital tools such as video chats, live television shows, and instant chat rooms. (   )
3. If someone needs help communicating online, don't share what you know. (   )
4. Synchronous communication is useful when you are writing about serious matters with someone you don't need an answer right away. (   )





Al-Faez **Questions**



★ First: Choose the correct answer from a, b, or c:

1. ….. allow Dr. Diego to collect data on power grids in order to improve the power system and reduce energy waste
   a) The power system   b) Data systems   c) Reduce energy waste

2. Nowadays, the world transitioning from using power generated by fossil fuels derived from coal, natural gas, and oil, to ……..
   a) wind power   b) solar power   c) All of the above.

3. …… is a switch that measures the temperature in air conditioners and refrigerators, and programming a computer to monitor and control them.
   a) Thermostat   b) natural gas   c) fossil fuels

4. Dr. Ponce de Leon's used …….. (devices which communicate information back to a computer) to monitor the appliances.
   a) sensors   b) Computer   c) Temperature

5. Dr. Leon's create ………. to program the air conditioners and refrigerators in a new, energy-efficient way.
   a) devices   b) software   c) monitor

★ Second: Put (✓) or (×):

1. Dr. Diego Ponce de Leon received his Ph.D. from Cairo University. (   )

2. The amount of electricity used does not change throughout the day. (   )



Al-Faez **Questions** ?

★ First: Choose the correct answer between the brackets:

1. Most software programs, like Microsoft Office versions and Google Chrome, are downloaded from the ……
   (Internet - software - Search engine)

2. Many programs install necessary …….. automatically.
   (updates - downloaded - software)

3. Some major updates require a …….. on Windows PC.
   (software - Microsoft Office - restart)

4. If you don't use official stores, only download software from ……
   (Windows - Android device - reliable sources)

5. Updates help programs to run more efficiently.
   (updates - programs - software)

★ Second: Arrange the steps to install a software on a Windows PC:

( ) Find the program online.

( ) Click the download button.

( ) A box will pop up.

( ) Follow the instructions to finish the installation process.

( ) Click on the file, located in Downloads.



Remember

- Although computers really only understand information represented by 1s and 0s, something also called yes/ no, on/off.
- The binary number system is used to send, receive and store information on digital electronic devices such as computers, phones and calculators.
- Humans use the decimal system to communicate using numbers.
- The decimal system has ten unique numerals (0-9).



★ First: Choose the correct answer from between the brackets:

1. The binary number system is used to send, receive and store information on digital electronic devices such as ....
   (computers - phones - All the previous)
2. Humans use the decimal system to communicate using numbers.
   (decimal system - Signal system - Double system)
3. We use .... symbols to represent all possible numbers.
   (two number - ten number - three number)
4. .... are like a light switch, the computer design is allow only two states: on and off.
   (System - Computers - numbers)
5. The decimal system has ten unique numerals ......
   ((0-1) - (0-9) - (0-10))



Al-Faez **Questions**



★ First: Put (✓) or (×):

1. Before you start the project, do not discuss with your group members the things needed to complete the project. (   )
2. Explorer Ponce de Leon does not understand the importance of Planning. (   )
3. Explorer Ponce de Leon, uses technology to collect data to plan for the future. (   )

★ Second: Complete from words between brackets:

1. Group can members work together at the same time with an internet connection with …….
   (Microsoft Paint - Microsoft Excel - Microsoft Office 365)
2. With ………, you can save the images you create and insert them into your document.
   (Microsoft Paint - Microsoft Excel - Microsoft Office 365)
3. You can set up a ……. to be edited by numerous users, at different locations, by setting up online editing.
   (Microsoft Word - Word document - Microsoft Office)
4. …… is used to send your work to other group members or to your teacher. (Word - Email - Paint)
5. Before you start the project, discuss with your group members the format that will be used to ……...
   (Internet - Email - deliver information)

Lesson 7 (How to choose online sources)

Online sources, including (reliable source - unreliable source)

Reliable sources:

- Online libraries
- Online Museums
- Online Maps
- Specialized Search Engines

المصادر عبر الانترنت منها (موثوق المصدر - غير موثوق المصدر)

المصادر الموثوقه المصدر:

- المكتبات الرقمية عبر الانترنت-
- الخرائط الرقمية
- المكتبات الالكترونية
- محركات البحث المتخصصة



Online libraries: such as the Egyptian Knowledge Bank. Alexandria Digital Library It contains many reliable educational materials (books - articles - encyclopedias - dictionaries-clips video)

المكتبات الرقمية عبر الانترنت مثل بنك المعرفة المصرى . مكتبة الاسكندرية الرقمية

تحتوى على العديد من المواد التعليمية الموثوقه (كتب - مقالات - موسوعات - قواميس - مقاطع فيديو)

digital maps:

-Provides clear and accurate directions to required places such as **Google Maps**
- Display streets or an area map



الخرائط الرقمية :

- توفر اتجاهات واضحه إلى الأماكن المطلوبة
- استعراض الشوارع أو خريطة منطقة

Electronic museums:

It allows viewing museums digitally and includes information about each museum

المتاحف الالكترونية : تتيح مشاهدة المتاحف عبر جهازك الرقمي وتشمل معلومات عن كل متحف

specialized search engines:

Google - Bing

Search for reliable and secure information unlike general search engines

It may lead you to unreliable, unsafe pages

It is preferable to use keywords in the search

محركات البحث المتخصصة:

google - bing

البحث عن المعلومات الموثوقة والآمنة على عكس محركات البحث العامة

يفضل استخدام الكلمات المفتاحية فى البحث

A website's Meta information

Website include meta information such as keywords, information about the site

المعلومات الوصفية للموقع

تتضمن المواقع الإلكترونية معلومات وصفية، مثل :

الكلمات المفتاحية - معلومات حول الموقع وما يحويه.

When you use a search engine and get a set of results,

The information that below each link is the meta information of the site.

فعندما تستخدم محرك بحثي وتحصل على مجموعة من النتائج، فإن المعلومات الواردة تحت كل رابط هي المعلومات الوصفية للموقع.

This will allow to read more about the site before clicking on the link.

وهذا سيعطيك فرصة لقراءة المزيد عن الموقع قبل النقر على الرابط.

At the bottom of the websites there is usually information such as :

A copyright notice – logo – contact information and social media icons

في الجزء السفلي من المواقع الإلكترونية يوجد :

-بيانات تظهر عبارة حقوق النشر- شعار الموقع - معلومات للاتصال بالموقع- أيقونات وسائل التواصل الاجتماعي.

Clicking on these links can help you decide if the site is reliable

يمكن أن يساعدك النقر على هذه الروابط في تحديد ما إذا كان الموقع موثوقا أم لا.

exercises

Question 1: Put a (true) or (false):

specialized search engines lead to unreliable and unsafe sources.

Google Maps Display streets or an area map.

all the information on the Internet Reliable

websites that Contains on a lot of errors spelling And lies considered as reliable sites

Digital Maps via Internet contain a lot of books and articles and encyclopedias.

You can Visit Museums virtually via Internet

Alexandria Digital Library that contain safe and reliable information.

Question 2: Choose the correct answer:

................used to watch Museums on your device digital.

a-Museums **B- Digital Maps** **c- Digital Libraries**

specialized search engines..................

a-YouTube **B-Facebook** **c-Google and Bing**

This will allow to read more about the site before clicking on the link.

a- Site names **b- A website's Meta information** **c- Website addresses**

.... To search for different educational materials online.

a- Electronic museum **b- Digital maps** **c-Digital libraries**

Examples of library sites that contain safe and reliable information...............

a- Alexandria Library **B-Egyptian Knowledge Bank** **c-A,B together**

Provides clear and accurate directions to required places such as

a-YouTube **B-Facebook** **c-Google Maps**

- Display streets or an area map use........

a- Excel **B- word** **c-digital maps**

Question 3: Complete with the appropriate answer:

(Google Maps – Google -Digital Libraries - Electronic Museums - Digital Maps)

………….. Provides clear and accurate directions to required places

Is considered..............One of the most important specialized search engines on the Internet.

...............It is one of the most famous sites that provide digital maps service.

used................To search for different educational materials online .

……………………It allows viewing museums digitally and includes information about each museum

Lesson 8 (Synchronous and Asynchronous Communication)

Synchronous communication:

Is a real time communication between people (at the same time)

الاتصال المتزامن : هو التواصل خلال الوقت الفعلى بين الأشخاص (أى فى نفس الوقت)

It requires an instant response

وتتطلب استجابه فورية

- video chats
- Live TV programmes
- Instant chat rooms

مثل - محادثات الفيديو

- البرامج التلفزيونية المباشرة

- غرف الدردشة الفورية

Asynchronous communication: It is communication that does not occur in real time and does not require an instant response
Like - email
- Voice and t**ext messages and recorded video clips**

الاتصال غير المتزامن : هو التواصل الذى لا يحدث خلال الوقت الفعلى ولا يتطلب استجابه فوريه

مثل - البريد الالكترونى

- الرسائل الصوتيه والنصيه ومقاطع الفيديو المسجلة

When is synchronous communication useful??
When you write about something out of everyday life to your friends or family and need a quick or immediate response

متي يكون الاتصال المتزامن مفيدا؟

عند الكتبة عن شئ طريق من الحياة اليومية إلى أصدقاؤك أو أسرتك وتحتاج رد سريع

When is asynchronous communication useful??
when writing about Serious thing or complicated matters to someone you don't know well
or with someone in authority, do not need an immediate response(answer right away)

متى يكون الاتصال غير المتزامن مفيدا ؟

عند الكتابه عن شئ جاد أو مسائل معقدة إلى شخص لا تعرفه جيدًا

أو مع شخص مسئول ولا تحتاج إلى رد فورى

Be polite:
Even if you are upset about something what Do not use language that could be upsetting to the recipient.
Respect the feelings of the recipient.

كن مهذبا :

فلا تستخدم أسلوبا قد يزعج المتلقي. راعي أهمية أسلوب الكتابة والكلام. حتى إذا كنت مستاء حيال أمر ما

إِحترم مشاعر المتلقي.

Be patient

if your 're sending a message to a close friend, they need time to respond, or may be busy.
Give the recipient some time to respond before sending another message.

كن صبورا

تذكر أنه حتى ولو وجهت رسالتك إلى صديق مقرب، فهو يحتاج إلى وقت للرد ،أو قد يكون هذا الشخص مشغولا.

امنح المتلقي بعض الوقت للإجابة قبل إرسال رسالة أخرى .

Be helpful:

Helping others is a part of being a good digital citizen.
Use what you've learned to help the people you communicate with, whether it's a problem they're facing, or something they need help with.
If anyone needs your help communicating online, share what you know.

كن متعاونا:

تعد مساعدة الآخرين من عناصر المواطنة الرقمية الصالحة.

استخدم ما تعلمته لمساعدة الأشخاص الذين تتواصل معهم، سواء أكان ذلك في حل مشكلة يواجهونها، أو في أمر يحتاجون إلى المساعدة لإنجازه.

إذا احتاج أي شخص إلى مساعدتك في التواصل عبر الإنترنت، فشاركه ما تعرفه.

be clear:

it's easy for Misunderstandings to occur when communicating online
Always be sure your message is clear.
Read it back to yourself before you send it. Could the recipient misinterpret it?
If so, review it one last time before sending it.

كن واضحا:

من السهل حدوث سوء التفاهم عند التواصل عبر الإنترنت؛ ولذلك :

احرص دائما على أن تكون رسالتك واضحة.

اقرأها على نفسك قبل إرسالها. هل قد يسيء المتلقي تفسيرها؟

إذا كان ذلك احتمالا فراجعها مرة أخيرة قبل إرسالها.

Question 1: Put a (true) or(false):

One of the advantages of Internet is communicate with others using digital tools.

You must be sure your message is clear when communicating with others.

Recorded voice messages are examples of synchronous communication.

Synchronous communication do not need an immediate response

We use asynchronous communication when information is urgent and necessary.

Examples of Synchronous communication are video chats and chat rooms.

Question 2: Choose the correct answer from the brackets:

.... requires an immediate response

A - Synchronous connection B - Asynchronous connection C - Both are correct

-Help the people you communicate with and try to solve their problems.

a -Synchronous B - Internet communication ethics C - Asynchronous

When you write about something out of everyday life to your friends or family

A - synchronous B - asynchronous C –word

E-mail and .... are examples of synchronous.

A - recorded video clips B - instant chat rooms C - Live TV programmers

Question 3: Complete with the appropriate answer :

(Asynchronous -E-Mail - synchronous -ethics communication via Internet- Live TV programmers)

.... that be polite And be patient And cooperative when communication with others.

.... communication do not need an immediate response.

.... an example To Asynchronous communication between individuals.

.... communication that does not occur in real time

from Examples Synchronous between Individuals..................

Lesson 1 (Explorer in Action)

Dr.Diego Ponce de Leon (holds a PhD from the Energy and Resources Group, University of California Berkeley

د/ دييجو بونس دي ليون (حاصل على الدكتوراة من جامعة كاليفورنيا قسم الطاقة والموارد)

-Uses technology to build renewable energy-related data infrastructure and systems In order to improve the power system and reduce energy waste.

- يستخدم التكنولوجيا لإنشاء بنيه تحتيه وأنظمة خاصة بالطاقة المتجددة من أجل تحسين الطاقة والحد من الهدر

The world made a lot of progress in transitioning away from power generated by fossil fuels derived from coal, natural gas, and oil
Instead, wind and solar power are being used

- العالم شهد تطور اكبر فى مجال توليد الطاقة بدلا من استخدام الوقود المستخرج من الفحم والغار الطبيعي

والنفط تم استخدام طاقة الرياح والطاقة الشمسية

He work helps devices work efficiently is important too .

(thermostat)that Measures the temperature in refrigerators and air **conditioners**

and programming a computer to monitor and control them through Sensors
Sensors a devices which communicate information back to a computer

- وعمل أيضا على زيادة كفاءه الأجهزة عن طريق ربط الثلاجات والمكيفات معا بواسطة

منظم الحرارة (الترموستات) الذي يقيس درجه الحرارة فى الثلاجات والمكيفات

ثم قام ببرمجة جهاز كمبيوتر لمراقبتها والتحكم بها من خلال أجهزة الاستشعار عن بعد

The amount of energy changes throughout the day
Air conditioners are used a lot during the summer afternoons

- كميه الطاقة تتغير على مدار اليوم

مثال مكيفات الهواء تستخدم كثيراً أثناء فترة الظهيرة في فصل الصيف

Dr.Diego was able to Balance the power grid by moving and storing the electricity from one place to another so that the amounts are more equal

قام د/ دييجو بموازنه شبكة الطاقة من خلال نقل الكهرباء من مكان إلى آخر وتوزيعها بالتساوي

In Egypt, a similar system is being used for a different reason .
but to increase its agricultural land and to ensure food security
and to ensure water is being used efficiently in newly reclaimed areas

مصر تتبع نفس النظام ولكن لزيادة رقعتها الزراعية ولضمان تحقيق الأمن الغذائي

و توزيع استخدام المياه الاستصلاح الأراضى



Question 1: Put a (true) or(false):

1- used technology to Help in Solution the problems

2- Dr.Diego Ponce de Leon is an archeologist

3- The amount of energy changes throughout the da

4- Dr.Diego Ponce de Leon holds a PhD University of California

5-There was one way to generate energy

6- Sensors a devices which communicate information back to a computer

7- thermostat that Measures the temperature in refrigerators and air conditioners

Question 2: Complete with the appropriate answer :

(solar power – Dr.Diego Ponce - thermostats- ensure food security)

1- from Methods generation energy Use ……………..

2-…………… Uses technology to build renewable energy-related data infrastructure and systems

3- used ……………. To Measures the temperature in refrigerators and air conditioners

4- In Egypt, a similar system's Dr Diego is being used for a different reason …………….

1- Dr.Diego Ponce Used technology to build……………….

renewable energy

litters

find objects

2- transitioning away from power generated by…………….

solar power

wind

all the previous

3-thermostat that Measures ……………in refrigerators and air **conditioners**

the temperature_

the heat

all the previous

4-………………. a devices which communicate information back to a computer
sensors

thermostat

Debris Tracker

5- In Egypt, a similar system's Dr Diego is being used for a different reason

increase its agricultural land_

ensure food security

all the above

Lesson 2: How digital devices work

Tips for common ICT issues

1- installing software:

Programs can be downloaded through the Internet like Microsoft Office and browser google chrome



تثبيت البرامج :

- يمكن تنزيل البرامج من خلال الانترنت مثل مايكروسوفت اوفيس ومتصفح

Windows PC:

The program is downloaded from the Internet through the **download** button
Click on the file located in **Downloads**
A box will pop up, follow the instructions to finish the installation process.

تثبيت البرامج على جهاز كمبيوتر يعمل نظام ويندوز :

يتم تحميل البرنامج من الانترنت من خلال زر التنزيل

- سيظهر الملف في مجلد التنزيلات تقوم بالضغط عليه وتتبع الارشادات لاستكمال عملية التثبيت

Android devices:

Tap on the Apps icon
Go to the app store (Google play stores)
Find the application you want and click install

تثبيت البرنامج على اجهزة اندرويد :

- انقر على رمز التطبيقات
- انتقل إلى متجر التطبيقات مثل جوجل بلاي ستور
- ابحث عن التطبيق الذى تريده وانقر على زر التثبيت



2- Updating Software:

- Software should be updated regularly to help it work efficiently
- Many programs install necessary updates automatically .

٢- تحديث البرامج :

- يجب تحديث البرمجيات بانتظام لمساعدتها على العمل بكفاءة اكثر
- يتم تثبيت التحديثات فى معظم البرامج تلقائيا

Windows PC:
- Some major updates require a restart
windows update ← Updates and security← Settings ← start

على جهاز كمبيوتر يعمل نظام ويندوز

- أحيانا تتطلب بعصير التحديثات الكبيرة إعادة تشغيل الجهاز

التحديثات والأمن update and security ← الاعدادات setting← start

Android devices:
system updates← System

على جهاز يعمل بنظام أندرويد

تحديث النظام system updates← النظام System

Troublshoot screen freezes
Windows PC

Click on **Ctrl+Alt+Del buttons**

The task manager will appear to shut down any program that is marked as "not responding"
, turn off the device and restart it

حل مشكلة توقف الشاشه عن الاستجابة

على جهاز كمبيوتر يعمل بنظام ويندوز اضغط علي

سيظهر مدير المهام Task managerواذا لم ينجح أطفئ الجهاز وأعد تشغيله

Android devices:
Hold the power button for 30 seconds and restart .

على أجهزة تعمل بنظام أندرويد

اضغط على زر الطاقة لمدة ٣٠ ثانيه ثم أعد تشغيله

Exercises

Question 1: Put a (true) or(false):

1- You can installing more than software to your device

2- Software should not be updated regularly

3- No problems will face the user when use the computer

4 - Many programs install necessary updates automatically

5-we should download programs from reliable sources

6-when you face a problem and You can't solve it. you should ask help from your teacher

7- Programs can be downloaded through the Internet like Microsoft Office

8- to download any program from Internet through the download button

---

Question 2: Complete with the appropriate answer :

(Task manager - windows - google chrome –30second - Restart)

1- Programs can be downloaded through the Internet like ……………………

2-……………………. is considered the most famous operating system

3-when you click on Ctrl+Alt+Del buttons …………………….will appear

4- Screen Freezes in android device Hold the power button for……………. and restart .

5- …………………..used To face any problems during your use Computer

1-- Software should be ………………. regularly to help it work efficiently

updated

installed

deleted

2-to solve problem (Screen Freeze)……………………

Ctrl+Alt+Del

ESC+Alt+Del

shift+Alt+Del

3- Programs can be downloaded through the Internet like and ……………..

Google Chrome

Microsoft Office

all the above

4- Computer used System called ....

binary system

the base ten system

all the above

5- Binary system It is used to send and receive information on electronic digital devices by 2 numbers Just …………….

1,0

1,1

0.0

Lesson 3 (Introduction to Binary Numbers)

- The computers Simple and efficient as an light switch allow only two states (on - off)

- إن اجهزه الكمبيوتر بسيطة وفعالة مثل المفتاح الكهربائي حين يسمح بمجالين فقط (التشغيل - الإطفاء)

. This is why the binary number system is so well for sending and receiving and storing digital information.

لهذا السبب نظام العد الثنائى فعال جدا لارسال المعلومات الرقمية وتلقيها وحفظها

-What is the binary number system??

It is used to send and receive information and store them on electronic digital devices
Such as computer, mobile phones and calculators by 2 numbers Just (0:1)
Yes / No or On or Off

يستخدم لإرسال المعلومات وتلقيها وحفظها على اجهزه رقمية الكترونية

مثل الكمبيوتر والهواتف المحمولة والحاسبات عن طريق رقمين فقط (٠:١)

نعم / لا أو تشغيل أو إطفاء

Humans use the decimal number system. Contains 10 unique numbers (0:9)
Therefore, it is called the base **ten** system.

يستخدم الناس نظام العد العشرى. يحتوى على 10 اعداد منفردة (9:0)

لذلك يسمي نظام الأساسي (10)

This system is used to represent all possible numbers, meaning that once we count past the number 9

We add one of the ten unique number symbols as a digit on the left
Counting from the right
Example of the number (150) (the number to the far right is multiplied by 1 and the number in the middle is multiplied by 10
And multiply the number to the far left (100).

يستخدم هذا النظام لتمثيل كل الأرقام الممكنة وهذا يعني أن عندما تتجاوز الرقم 9

في العد نضيف أحد الأرقام العشرة المنفردة إلى اليسار بالعد من اليمين

مثال الرقم (١٥٠) (يضرب الرقم إلى أقصى اليمين و ١ ويضرب الرقم بالوسط بـ ١٠

ويضرب الرقم إلى أقصى اليسار (١٠٠)

As for the binary system, we add a number to the left by counting from the right, representing each position
each place represents a value two times as big as the previous one and so is a quantity of 1s ,2s ,4s ,8s ,16s, etc .

أما النظام الثنائي نضيف رقماً إلى اليسار بالعد من اليمين تمثل كل موضع

قيمية مرتين اكبر من الذى يسبقه وهكذا تكون 1 ,2,4,8,16

Lesson 4 (Determination the needs for a digital project)

-Technology is used to collect data in order to plan for the future

- تستخدم التكنولوجيا لجمع البيانات بهدف التخطيط للمستقبل

Microsoft Word
Word in (Microsoft office 365)
efficient program to use when working on projects, as it allows group members to work together at the same time
It allows other users around the world to edit the document if an internet connection is available
(this can be done by setting up online editing)


" برنامج معالج الكلمات مايكروسوفت word من مايكروسوفت 365

- مفيد فى تنفيذ المشاريع فهو يسمح لأفراد المجموعة العمل معا فى نفس الوقت

يسمح لمستخدمين آخرين من حول العالم بتحرير المستند إذا توفر اتصال بالانترنت

(من خلال ميزة التعديل على الانترنت)



Microsoft Paint

You can save the image you create and then insert it into your document

برنامج الرسام Microsoft Paint

يمكنك حفظ الصورة التى تنشئها ثم ادراجها فى المستند

E-mail

used to send your work to other group members or to your teacher
Write your ideas in a message or attach a document or image that you've created



البريد الالكترونى "

يستخدم لإرسال عملك إلى الافراد الأخرين داخل المجموعة أو الى معلمك

ويمكن ارفاق صور أو مستندات بالرسالة .

Assigning roles

Group members should know their roles in the project
- Discuss the members of your group to determine the appropriate person for each part of the project
- The strengths of each group member to benefit the group .
- Elements necessary to complete the project
- Tools needed to complete each individual project
- The format used to deliver the information

توزيع الأدوار

- **يجب أن يعرف أفراد المجموعة أدوارهم في المشروع**
- **ناقش أفراد مجموعتك لتحدد الفرد المناسب لكل جزء بالمشروع**
- **نقاط القوة التي يتمتع بها كل فرد والتى من الممكن الاستفادة منها**
- **العناصر الضرورية لإنجاز المشروع**
- **الأدوات اللازمة لإنجاز كل فرد من المشروع**
- **التنسيق الذى يستخدم لتسليم المعلومات**

Exercises

Question 1: Put a (true) or(false):

Technology is used to collect data in order to plan for the future

You shouldn't discuss the members of your group to determine the appropriate person for each part of the project

Group members should know their roles in the project

WordPress can save the image you create and then insert it into your document

Word allows other users around the world to edit the document if an internet connection is available

You can't attach a document or image that you've created by E-mail

---

Question 2: Complete with the appropriate answer :

(word - technology – Email - Microsoft Paint – roles)

1- Group members should know their ……………. in the project

2-……………… efficient program to use when working on projects

3- used………………… to collect data in order to plan for the future

4- …………………used to send your work to other group members or to your teacher

5 ………………can save the image you create and then insert it into your document

==

1-You can Use.......... when working on projects as it allows group members to work together at the same time

Word **Painter** **E-mail**

2................from Digital Tools used in Preparation a project

Painter **word** **all the previous**

ICT - Theme 3 – lesson 7 and 8 – questions

Choose the correct answer:

1) Online libraries may include …………………
   a. Dictionaries b. encyclopedias c. all the previous

2) A creative Commons search is a resource to find ……………… materials.
   a. Copyright-free b. protected c. digital

3) Online libraries, such as ………………… have secure and verified information.
   a. Wikipedia
   b. Alexandria Library c. social media

4) …………………… provide clear and accurate directions to the required places.
   a. Online libraries b. Online museums c. Online maps

5) ………………… allow(s) you to read more about the site before clicking on the link.
   a. Online libraries
   b. Meta information c. Egyptian Knowledge Bank

6) ………………… are reference sites that allow you to view museums digitally.
   a. Online libraries b. Online museums c. Online maps

7) …………………… are helpful for searching different media, such as images or videos online.
   a. Online libraries b. Online museums c. Online maps

8) Copyright notice, logo, and contact information are placed at the ………………….. of the website.

   a. top　　b. middle　　c. bottom

9) We can use specialized search engines, such as ……………….

   a. Bing　　b. Google Chrome　　c. a & b

10) The meta information of the sites includes …………….

   a. Keywords
   b. Information about the site　　c. a & b

11) The meta information for the sites are placed ………………. each link.

   a. above　　b. below　　c. opposite to

12) ………………… communication needs instant response.

   a. Synchronous　　b. Asynchronous　　c. Both of them

13) …………………. is an example of synchronous communication.

   a. Email　　b. Live TV show　　c. Recorded video

14) ………………………. communication is/are type(s) of digital communication.

   a. Synchronous　　b. Asynchronous　　c. Both of them

15) ……………………. communication doesn't (don't) occur in real time and doesn't (don't) require an instant response.

   a. Synchronous　　b. Asynchronous　　c. Both of them

16) Instant chat rooms are examples of ……………………..
communication.

a. synchronous b. asynchronous c. both of them

17) Email, voice messages and text messages are examples of
……………………. communication.

a. synchronous b. asynchronous c. both of them

18) ……………………. communication is/are useful when you are writing about serious or complicated matters with someone you don't know well.

a. Synchronous b. Asynchronous c. Both of them

19) ………………… communication is/are useful when you are writing about everyday matter to family and you need an immediate or quick response.

a. Synchronous b. Asynchronous c. Both of them

20) …………………… communication is/are useful when you are writing about an issue with someone in authority and you don't need an answer right away.

a. Synchronous b. Asynchronous c. Both of them

21) …………………. is/are real-time communication between people.

a. Synchronous b. Asynchronous c. Both of them

Put (√) or (X):

1. Online libraries are helpful for searching different media, such as images or videos. ( )
2. The sources of online libraries are verified and accurate. ( )
3. Google Maps are considered accurate and are regularly updated. ( )
4. General search engines are useful and lead you to reliable pages. ( )
5. All online information is trusted. ( )
6. Online libraries sometimes include dictionaries, thesauruses, and encyclopedias in the same site. ( )
7. You can visit museums digitally through online museums. ( )
8. One of the most famous search engines is Bing. ( )
9. It is not necessary to use appropriate keywords in your search. ( )
10. To display an area map, you can check online maps with the help of your teacher. ( )
11. Specialized search engines may lead you to unreliable or unsafe pages. ( )
12. Clicking on the links at the bottom of websites can help you decide if the site is reliable or not. ( )
13. Synchronous communication does not occur in real time communication. ( )

14. Asynchronous communication is real-time communication. ( )

15. Always be sure your message is clear when communicating online. ( )

16. It's easy to understand the other people when communicating online. ( )

17. Synchronous communication is useful any time. ( )

18. Synchronous communication is useful when you need an immediate response. ( )

19. Always be sure your message is clear when communicating online. ( )

20. There is just one type of communication. ( )

21. Video chats and live TV shows are examples of asynchronous communication. ( )

22. Asynchronous communication does not require an instant response. ( )

23. Recorded videos are examples of asynchronous communication. ( )

Complete the following sentences using the words between the brackets:

(**Google or Bing – meta information – Online museums – Online maps – online libraries**)

1) …………………………………… generally include information about each museum.
2) ……………………………………… such as Alexandria Library and EKB have secure and verified information.
3) A website's ……………………………. tells you keywords and information about the site, and what it contains.
4) Specialized search engines, such as ………………………………… are very useful to look for information online.
5) ……………………………….. provide clear and accurate directions to the required places.

(**Email - Synchronous communication – Live TV show – Asynchronous communication – helpful**)

1. …………………… is an example of asynchronous communication.
2. Part of being a good digital citizen is to be …………………….. .
3. ………………………………………………………… is a real-time communication and needs immediate response.
4. …………………………………………………………. does not occur in real time and does not require an instant response.
5. ……………………………………. is an example of synchronous communication.

ICT - Theme 3 – lesson 7 and 8 – answers

Choose the correct answer:

1) Online libraries may include ………………..
   a. Dictionaries b. encyclopedias c. all the previous

2) A creative Commons search is a resource to find …………….. materials.
   a. Copyright-free b. protected c. digital

3) Online libraries, such as ………………. have secure and verified information.
   a. Wikipedia
   b. Alexandria Library c. social media

4) …………………… provide clear and accurate directions to the required places.
   a. Online libraries b. Online museums c. Online maps

5) ………………. allow(s) you to read more about the site before clicking on the link.
   a. Online libraries
   b. Meta information c. Egyptian Knowledge Bank

6) ……………….are reference sites that allow you to view museums digitally.
   a. Online libraries b. Online museums c. Online maps

7) ………………….. are helpful for searching different media, such as images or videos online.
   a. Online libraries b. Online museums c. Online maps

8) Copyright notice, logo, and contact information are placed at the .... of the website.

a. top b. middle c. bottom

9) We can use specialized search engines, such as ....

a. Bing b. Google Chrome c. a & b

10) The meta information of the sites includes ....

a. Keywords
b. Information about the site c. a & b

11) The meta information for the sites are placed .... each link.

a. above b. below c. opposite to

12) .... communication needs instant response.

a. Synchronous b. Asynchronous c. Both of them

13) .... is an example of synchronous communication.

a. Email b. Live TV show c. Recorded video

14) .... communication is/are type(s) of digital communication.

a. Synchronous b. Asynchronous c. Both of them

15) .... communication doesn't (don't) occur in real time and doesn't (don't) require an instant response.

a. Synchronous b. Asynchronous c. Both of them

16) Instant chat rooms are examples of ……………………. communication.

a. synchronous b. asynchronous c. both of them

17) Email, voice messages and text messages are examples of ……………………. communication.

a. synchronous b. asynchronous c. both of them

18) ……………………. communication is/are useful when you are writing about serious or complicated matters with someone you don't know well.

a. Synchronous b. Asynchronous c. Both of them

19) ………………… communication is/are useful when you are writing about everyday matter to family and you need an immediate or quick response.

a. Synchronous b. Asynchronous c. Both of them

20) ………………….. communication is/are useful when you are writing about an issue with someone in authority and you don't need an answer right away.

a. Synchronous b. Asynchronous c. Both of them

21) ………………… is/are real-time communication between people.

a. Synchronous b. Asynchronous c. Both of them

Put (√) or (X):

1. Online libraries are helpful for searching different media, such as images or videos. (√)
2. The sources of online libraries are verified and accurate. (X)
3. Google Maps are considered accurate and are regularly updated. (√)
4. General search engines are useful and lead you to reliable pages. (X)
5. All online information is trusted. (X)
6. Online libraries sometimes include dictionaries, thesauruses, and encyclopedias in the same site. (X)
7. You can visit museums digitally through online museums. (√)
8. One of the most famous search engines is Bing. (√)
9. It is not necessary to use appropriate keywords in your search. (X)
10. To display an area map, you can check online maps with the help of your teacher. (√)
11. Specialized search engines may lead you to unreliable or unsafe pages. (X)
12. Clicking on the links at the bottom of websites can help you decide if the site is reliable or not. (√)
13. Synchronous communication does not occur in real time communication. (X)
14. Asynchronous communication is real-time communication. (X)
15. Always be sure your message is clear when communicating online. (√)
16. It's easy to understand the other people when communicating online. (X)
17. Synchronous communication is useful any time. (X)

18. Synchronous communication is useful when you need an immediate response. (✓)

19. Always be sure your message is clear when communicating online. (✓)

20. There is just one type of communication. (**X**)

21. Video chats and live TV shows are examples of asynchronous communication. (**X**)

22. Asynchronous communication does not require an instant response. (✓)

23. Recorded videos are examples of asynchronous communication. (✓)

Complete the following sentences using the words between the brackets:

(**Google or Bing – meta information – Online museums – Online maps – online libraries**)

1) **Online museums** generally include information about each museum.
2) **Online libraries** such as Alexandria Library and EKB have secure and verified information.
3) A website's **meta information** tells you keywords and information about the site, and what it contains.
4) Specialized search engines, such as **Google or Bing** are very useful to look for information online.
5) **Online maps** provide clear and accurate directions to the required places.

(Email - Synchronous communication – Live TV show – Asynchronous communication – helpful)

1. **Email** is an example of asynchronous communication.
2. Part of being a good digital citizen is to be **helpful**.
3. **Synchronous communication** is a real-time communication and needs immediate response.
4. **Asynchronous communication** does not occur in real time and does not require an instant response.
5. **Live TV show** is an example of synchronous communication.

ICT – Theme 4 (lesson 1,2,4) – questions

Choose the correct answer:

1) Dr. Diego Ponce de Leon holds a PhD from the University of ……………………………
   a. Chicago b. California c. New York

2) ……………………… is one of the renewable energy sources.
   a. Natural gas b. Wind c. Coal

3) Dr. Diego Ponce de Leon develops the use of technology to build data systems related to ……………………..
   a. renewable energy b. fossil fuels c. debris

4) Fossil fuels are found in nature in the form of …………………
   a. Coal b. natural gas and oil c. a&b

5) Recently, ……………………are being used instead of power generated from fossil fuels.
   a. wind and solar power
   b. natural gas and oil
   c. a & b

6) Dr. Diego Ponce de Leon's work helps devices work efficiently by connecting the refrigerators and air conditioners together with …………………… and programming a computer to control them.
   a. Wi-Fi b. thermostat c. bluetooth

7) Dr. Ponce de Leon used the ……………………… to monitor how much energy the refrigerators and air conditioners used throughout the day.
   a. sensors b. thermostat c. mobile

8) Thermostat is used in refrigerators to measure the …………………..
   a. temperature b. energy c. humidity

9) Dr. Diego Ponce de Leon used ………………… to monitor the appliances.
   a. sensors b. thermostat c. WI-FI

10) The electricity used by air conditioners in the summer is ……………. in the winter.
   a. more than b. less than c. the same

11) In Egypt, data and information management system was built to improve the ……………………….. system.
   a. investment b. irrigation c. industry

12) To solve the problem of screen freezes, you can use the …………… buttons.
   a. Alt, Tab, and Del
   b. Alt, Ctrl, and Del
   c. Alt, Ctrl, and Tab

13) If you don't use official stores, only download software from ……………………. sources.
   a. reliable b. unreliable c. harmful

14) If you downloaded a software program, you can find the program in ………………….. folder.
   a. installed b. favourites c. downloads

15) To turn your device off, press and hold down the ………………. button.
   a. power   b. Esc   c. Enter

16) Computers use …………………. numbers system to store data more efficiently.
   a. binary   b. decimal   c. octal

17) Computers understand ……………………… signals.
   a. optical   b. electrical   c. a & b

18) The binary system uses the values …………. to express the binary numbers system.
   a. 0   b. 1   c. a & b

19) In computer binary system, number (1) means ……………
   a. on   b. off   c. pass

20) Dr. Ponce de Leon uses technology to collect data to ……………… for the future.
   a. plan   b. manage teams   c. save energy

21) Microsoft Word can be edited by numerous users in different locations, if there is an available ……………………
   a. keyboard   b. printer   c. internet connection

22) You can use ……………. to save the images you create and insert them into your document.
   a. Microsoft Word   b. Paint   c. Email

23) You can use ……………… to send your work to your colleagues.
   a. Microsoft Word   b. Paint   c. Email

24) One of the most important issues in achieving your research project is ……………

a. data b. texts & pictures c. a & b

Put (✓) or (X):

1. Dr. Diego used technology to reduce energy waste. ( )
2. Thermostat is a device that communicates information back to a computer. ( )
3. The electricity used in a certain town changes throughout the day. ( )
4. The electricity used by air conditioners in the summer is less than in the winter. ( )
5. There is just one way to produce energy. ( )
6. Dr. Ponce de Leon was able to balance the power grid by moving and storing the electricity. ( )
7. We can store and move electricity from one place to another. ( )
8. We can use technology to solve many problems. ( )
9. Egypt uses data and information management systems. ( )
10. The use of technology to collect data is unimportant in future planning. ( )
11. It is recommended to update software programs on your computer. ( )

12. You must install updates for programs manually. ( )
13. Software programs, such as Microsoft Office and Google. ( )
14. "Screen freezes" is one of the common problems when using PC. ( )
15. Binary system uses the values (1&2). ( )
16. Some programs can be updated automatically. ( )
17. All software updates require a restart. ( )
18. All online sources are safe to download programs. ( )
19. Users can face various problems when using computers. ( )
20. Dr. Ponce de Leon uses technology to collect data to plan for the future. ( )
21. Microsoft Word is one of Microsoft Office 365 programs. ( )
22. It is not available to edit a Word document by different users in different places. ( )
23. It is not necessary to plan to your project. ( )
24. One of the tools you may need for a group project is email. ( )
25. You can't attach a document to your email. ( )
26. Assigning roles to the group members is crucial when starting a project. ( )

27. Identifying the personal characteristics of team members can benefit the group. ( )
28. You have to discuss the tools needed to complete each section of the project after finishing the project. ( )
29. Be sure to answer any questions the group members may have. ( )
30. You can't insert an image into a Word document. ( )

Choose from column (A) what suits it in column (B):

Column (A)

1) Sun and wind
2) Coal and oil
3) Sensor
4) Thermostat
5) Crucial

Column (B)

a. Using technology to collect data in planning.
b. Measures temperature
c. Fossil fuels.
d. Communicates information back to a computer.
e. Renewable energy sources.

Complete the following sentences using the words between the brackets:

(30 second - binary system – Updates – power – Office 365)

1) ………………………….. is an example of software programs that can be downloaded.
2) To turn your cell phone off, press the …………………….. button for …………………………… .
3) Computers use ……………………………………. to store data more efficiently.
4) ………………………….. help programs to run more efficiently.

(Paint – roles – Email – MS Word - technology)

1) …………………………… is one of the programs may be used in preparing the project.
2) Before starting a project, you have to assign ………………….. to group members.
3) ………………….. is used to send documents to project members.
4) To edit and save images, you can use ………………. program.
5) You can use ……………………. to collect data to plan for the future.

Rearrange the following settings to update a software program on your PC:

1. Windows update ( )
2. Settings ( )
3. Start button ( )
4. Update and Security ( )

ICT – Theme 4 (lesson 1,2,4) – answers

Choose the correct answer:

1) Dr. Diego Ponce de Leon holds a PhD from the University of ……………………………
   a. Chicago   b. California   c. New York

2) ……………………… is one of the renewable energy sources.
   a. Natural gas   b. Wind   c. Coal

3) Dr. Diego Ponce de Leon develops the use of technology to build data systems related to ……………………..
   a. renewable energy   b. fossil fuels   c. debris

4) Fossil fuels are found in nature in the form of …………………
   a. Coal   b. natural gas and oil   c. a&b

5) Recently, ……………………are being used instead of power generated from fossil fuels.
   a. wind and solar power
   b. natural gas and oil
   c. a & b

6) Dr. Diego Ponce de Leon's work helps devices work efficiently by connecting the refrigerators and air conditioners together with …………………… and programming a computer to control them.
   a. Wi-Fi   b. thermostat   c. bluetooth

7) Dr. Ponce de Leon used the ……………………… to monitor how much energy the refrigerators and air conditioners used throughout the day.
   a. sensors   b. thermostat   c. mobile

8) Thermostat is used in refrigerators to measure the …………………..

a. temperature b. energy c. humidity

9) Dr. Diego Ponce de Leon used ………………… to monitor the appliances.

a. sensors b. thermostat c. WI-FI

10) The electricity used by air conditioners in the summer is ……………. in the winter.

a. more than b. less than c. the same

11) In Egypt, data and information management system was built to improve the ……………………….. system.

a. investment b. irrigation c. industry

12) To solve the problem of screen freezes, you can use the …………… buttons.

a. Alt, Tab, and Del
b. Alt, Ctrl, and Del
c. Alt, Ctrl, and Tab

13) If you don't use official stores, only download software from …………………… sources.

a. reliable b. unreliable c. harmful

14) If you downloaded a software program, you can find the program in ………………….. folder.

a. installed b. favourites c. downloads

15) To turn your device off, press and hold down the ………………. button.

a. power b. Esc c. Enter

16) Computers use ………………… numbers system to store data more efficiently.

a. binary b. decimal c. octal

17) Computers understand ……………………… signals.

a. optical b. electrical c. a & b

18) The binary system uses the values …………. to express the binary numbers system.

a. 0 b. 1 c. a & b

19) In computer binary system, number (1) means ……………

a. on b. off c. pass

20) Dr. Ponce de Leon uses technology to collect data to ……………… for the future.

a. plan b. manage teams c. save energy

21) Microsoft Word can be edited by numerous users in different locations, if there is an available ……………………

a. keyboard b. printer c. internet connection

22) You can use ……………. to save the images you create and insert them into your document.

a. Microsoft Word b. Paint c. Email

23) You can use ……………… to send your work to your colleagues.

a. Microsoft Word b. Paint c. Email

24) One of the most important issues in achieving your research project is ……………

a. data b. texts & pictures c. a & b

Put (✓) or (X):

1. Dr. Diego used technology to reduce energy waste. (✓)
2. Thermostat is a device that communicates information back to a computer. (X)
3. The electricity used in a certain town changes throughout the day. (✓)
4. The electricity used by air conditioners in the summer is less than in the winter. (X)
5. There is just one way to produce energy. (X)
6. Dr. Ponce de Leon was able to balance the power grid by moving and storing the electricity. (✓)
7. We can store and move electricity from one place to another. (✓)
8. We can use technology to solve many problems. (✓)
9. Egypt uses data and information management systems. (✓)
10. The use of technology to collect data is unimportant in future planning. (X)
11. It is recommended to update software programs on your computer. (✓)
12. You must install updates for programs manually. (X)
13. Software programs, such as Microsoft Office and Google. (X)
14. "Screen freezes" is one of the common problems when using PC. (✓)
15. Binary system uses the values (1&2). (X)

16. Some programs can be updated automatically. (✓)
17. All software updates require a restart. (X)
18. All online sources are safe to download programs. (X)
19. Users can face various problems when using computers. (✓)
20. Dr. Ponce de Leon uses technology to collect data to plan for the future. (✓)
21. Microsoft Word is one of Microsoft Office 365 programs. (✓)
22. It is not available to edit a Word document by different users in different places. (X)
23. It is not necessary to plan to your project. (X)
24. One of the tools you may need for a group project is email. (✓)
25. You can't attach a document to your email. (X)
26. Assigning roles to the group members is crucial when starting a project. (✓)
27. Identifying the personal characteristics of team members can benefit the group. (✓)
28. You have to discuss the tools needed to complete each section of the project after finishing the project. (X)
29. Be sure to answer any questions the group members may have. (✓)
30. You can't insert an image into a Word document. (X)

Choose from column (A) what suits it in column (B):

Column (A)

1) Sun and wind **e**
2) Coal and oil **c**
3) Sensor **d**
4) Thermostat **b**
5) Crucial **a**

Column (B)

a. Using technology to collect data in planning.
b. Measures temperature
c. Fossil fuels.
d. Communicates information back to a computer.
e. Renewable energy sources.

Complete the following sentences using the words between the brackets:

(30 second - binary system – Updates – power – Office 365)

1) **Office 365** is an example of software programs that can be downloaded.
2) To turn your cell phone off, press the **power** button for **30 second**.
3) Computers use **binary system** to store data more efficiently.
4) **Updates** help programs to run more efficiently.

(Paint – roles – Email – MS Word - technology)

1) **MS word** is one of the programs may be used in preparing the project.
2) Before starting a project, you have to assign **roles** to group members.
3) **Email** is used to send documents to project members.
4) To edit and save images, you can use **Paint** program.
5) You can use **technology** to collect data to plan for the future.

Rearrange the following settings to update a software program on your PC:

1. Windows update (**4**)
2. Settings (**2**)
3. Start button (**1**)
4. Update and Security (**3**)



ICT Grade 5

1-Choose the correct answer:

1-………………. is the web browser that comes with Microsoft Windows.
(Microsoft Edge - Microsoft Editor- Collections)

2- The …………….. feature in Microsoft Edge organizes research in one place and on multiple devices.
(Microsoft Edge - Microsoft Editor-Collections)

3-To Start a New Collection in the Microsoft Edge we must Select…………..
(Start- content- Drag)

4- we can …………an image into the collection
(Start- content-Drag)

5- Use …………...to check for spelling and grammar.
(Microsoft Editor- Microsoft Edge- Collections)

6- The editor will ……………. such as capitalization errors, sentence fragments and missing or incorrect words.
(suggestion -highlight problems- punctuation)

7- You decide whether to accept or ignore each suggestion from the..............
(Microsoft Editor- Microsoft Edge- Collections)

8-you can get the .... to also use this tool when you do searches or write emails.
(Editor online extension- Collections- highlight problems)

9- To use Collections at the top right corner of Edge and click...........
(Start new collection- Microsoft Edge- Collections)

10- ....sometimes include dictionaries, thesauruses, and encyclopedias.
(ONLINE MAPS-Online libraries- Google Maps)

11- ....are considered accurate and are regularly updated.
(copyright free -Google Maps- Online libraries-)

12- These can also be wonderful reference sites that allow you to view museums digitally.



(ONLINE MUSEUMS- Specialized search engines - Online libraries)

13- Specialized search engines such as ………are very useful.
(Google -Bing- both of them)

14- General search engines are also useful, but may lead you to………..
(unreliable pages- meta information- Bing)

15- Websites include…………, such as keywords, information about the site, and what it contains.
(Specialized search engines -unreliable pages- meta information)

16- the information that is below each ………is the meta information for the site.
(Google -Bing-link)

17- ....is real-time communication between people.
(Synchronous communication- Asynchronous communication- chat rooms)

18- Synchronous communication is useful when you are writing about a lighthearted, everyday matter to...........
(someone in authority -friends -teacher)

19- .... is communication that does not occur in real time and does not require an instant response.
(Synchronous communication- Asynchronous communication- Chat rooms)

20-Asynchronous communication is useful when you are writing about ....matters.
(complicated- a lighthearted-everyday matter)

21- Whenever you're communicating, you should be...........
(busy- upset- polite)

22- if you're sending a message to a close friend, remember that he/she may still need time to respond or may be...........
(busy- upset- polite)

23- Part of being a good digital citizen is............



(upset -helping others- be busy)

24-It's easy for …………..to occur when communicating online.
(share -misunderstandings- polite)

25- Dr. Diego Ponce de Leon holds a PhD from the Energy and Resources Group, University of …………
(California- Los Angeles- New York)

26- These data systems allow him to collect data on power grids in order to improve the power system and reduce …………
(temperature -energy waste- solar power)

27- The world has recently made a lot of progress in transitioning away from power generated by……..
(solar power -fossil fuels- energy waste)

28- Dr. Ponce de Leon's work helps devices work efficiently by connecting all the refrigerators and air conditioners together by a …………….
(thermostat- appliances- software)





29-………… are devices which communicate information back to a computer
(thermostat- appliances- sensors)

30- A……………..is a switch that measures temperature in air conditioners and refrigerators.
(appliances- software-thermostat)

31- Dr. Ponce de Leon used the sensors to ………how much energy the refrigerators and air conditioners.
(irrigation- monitor - balance)

32- Egypt has been increasing its agricultural land to ensure……….
(food security-irrigation systems- thermostat)

33- Dr. Ponce de Leon used a small, inexpensive computer called a…………
(Debris Tracker-Facebook-Raspberry Pi 2B)

34- You can plug in a …………to this very small computer that fits in your hand.
(keyboard-monitor-mouse-all the previous)

35- You can program the computer to do practical things with............
(basic knowledge of coding- read sensors- keyboard)

36- People worldwide use the Raspberry Pi to .... computer programming.
(read-watch- learn)

37- They also use Raspberry Pi 2B to build ....such as Dr. Ponce de Leon's sensor networks.
(hardware projects- read sensors- turn lights on and off)

38- Most software programs, like Microsoft Office versions and Google Chrome, are downloaded from the............
(program -internet- SOFTWARE)

39- Software programs often need to be.........
(updated-reliable-internet)

40- Updates help programs to run more..........
(automatically- efficiently -App store)

41- Many programs install necessary ……………..automatically.
(updates-install- efficiently)

42- Some major updates require a ………..
(Settings- binary system- restart)

43- To check for…………, go to System then System Update. Here, you will find updates that still need to be installed.
(updates- binary system- restart)

44- Sometimes, when you're downloading or updating software, your screen may freeze this called………
(Troubleshoot screen freezes- updates- binary system)

45- Computers use ………. to store data more efficiently.
(Troubleshoot screen freezes- updates -binary numbers system)

46- Understanding ....will help you to better understand what's going on when investigating a computer problem
(binary- Troubleshoot screen freezes- updates)

47- Explorer Ponce de Leon understands the importance of...........
(attach -planning- Make a list)

48- Use ....to send your work to other group members or to your teacher.
(email- Paint- Word)

2-Put (T) or (F):

1-Microsoft Edge is the web browser that comes with Microsoft Windows (T)

2-The Collections feature in Microsoft Edge organizes research in one place and on multiple devices.
(T)

3-to start a collection Select title on the toolbar.
(F)

4-you can Drag an image into the collection.
(T)

5-Use Microsoft Editor to check for spelling and grammar.



(T)

6-The editor will highlight answer such as capitalization errors.

(F)

7-you can get the Editor online extension to also use this tool when you do searches or write emails.

(T)

8-A Creative Commons search is a resource to find copyright-free information.

(T)

9-Google Maps are considered accurate and are regularly updated

(T)

10- Google Maps These can also be wonderful reference sites that allow you to view museums digitally.

(F)

11- Specialized search engines such as Google or Bing are very useful.

(T)

12- Specialized search engines are also useful, but may lead you to unreliable pages or even worse unsafe pages.

(F)

13- Websites include meta information, such as keywords, information about the site, and what it contains.

(T)

14- Synchronous communication is real-time communication at the same time using digital tools such as video chats, live television shows, and instant chat rooms.

(T)

15- Synchronous communication is useful when you are writing about serious or complicated matters.

(T)

16-Even if you're upset about something, use language that could be upsetting to the recipient.

(F)

17- Even if you're sending a message to a close friend, remember that he/she may still need time to respond or may be busy.

(T)

18-It's easy for misunderstandings to occur when communicating online.

(T)



19- Dr. Diego develops the use of technology to build renewable energy-related data infrastructure and systems.
(T)
20- Dr. Ponce work helps devices work efficiently by connecting all the refrigerators and air conditioners together by a thermostat.
(T)
21- fossil fuels a switch that measures temperature in air conditioners and refrigerators.
(F)
22- sensors devices which communicate information back to a computer.
(T)
23- California has been increasing its agricultural land to ensure food security.
(F)
24- Dr. Ponce used a small, inexpensive computer called a Raspberry Pi 2B to manage the processing and storage of data.
(T)
25- Raspberry Pi is a complicated computer that you can program to turn lights on and off, read sensors, and record data.
(F)

26- People worldwide use the Raspberry Pi to learn computer programming.
(T)

27- People also use it to build hardware projects such as Dr. Ponce de Leon's sensor networks.
(T)

28- Most software programs, like Microsoft Office versions and Google Chrome, are downloaded from the internet.
(T)

29- Software programs often need to be updated.
(T)

30-In Windows PC Tap on the Apps icon. Go to the App store). Find the app you're looking for and click install.
(F)

31- Android device Find the program online. Click the download button. Click on the file, located in Downloads. A box will pop up. Follow the instructions.
(F)

32- Many programs install necessary updates automatically.
(T)

33- Some major updates require a restart. Windows will not prompt you when this is the case.
(F)
34- To manage updates, go to the following: Start button _ Settings _Update and Security _Windows update.
(T)
35- Sometimes, when you're downloading or updating software, your screen may freeze.
(T)
36- Press and hold the "Ctrl," "Alt," and "Del" buttons and use the Task manager to shut down any program that is marked as "not responding."
(T)
37- Computers don't use binary to store data more efficiently.
(F)
38-The binary system uses the two values 1 and 0 to express the binary numbers system.
(T)
39- Assign roles based on the strengths and interests of each group member.
(T)

40-you can set up a Word document to be edited by numerous users, at different locations. This can be done by setting up online editing.
(T)

41- In Email you can save the images you create and insert them into your document.
(F)

42-Use email to send your work to other group members or to your teacher. Write your ideas in a message or attach a document or image.
(T)

لو انتهيت من المراجعة معانا لا تنسانا بصالح الدعاء

بنك الأسئلة من اعداد و تنسيق أستاذة ريهام هشام

شكر خاص للأستاذة ريهام هشام علي هذا العمل المميز



Fifth grade primary – second semester
Information and communication technology
lessons (1-4) THEME (4) Review – paper (1)
The third lesson is enriching for information only

Q1: Dr. Ponce de Leon hold a Ph.D. in ....

A	Energy and resources	B	Civil engineering	C	Industrial chemistry

Q2: Ponce de Leon develops systems for data related to ....

A	animal welfare	B	renewable energy	C	computer science

Q3: The world has witnessed great progress in the transition to electricity generation through renewable energy such as ....

A	wind power	B	solar power	C	Both of them

Q4: The world has become less dependent on fossil fuels extracted from ....

A	Oil	B	Natural gas	C	Both of them

Q5: It is possible to increase the efficiency of electrical appliances by connecting them to .... to control their temperature.

A	Thermostat	B	Sensors	C	Bluetooth

Q6: .... is used to send information about appliances temperatures to the computer connected to it

A	Thermostat	B	Sensors	C	Bluetooth

Q 7: .... is used to measure the temperature in air conditioners and refrigerators, to monitor and control it.

A	Thermostat	B	Sensors	C	Bluetooth

Q8: .... is used to monitor the amount of energy consumed by refrigerators and air conditioners throughout the day.

A	Thermostat	B	Sensors	C	Bluetooth

Q9: The amount of energy used by refrigerators in the summer .... from the amount used in the winter.

A	is greater than	B	is less than	C	is equal to

Q10: The electricity grid can be balanced by............... Thus, we will save on electricity

A	Transmission from one place to another	B	Storing and distributing it equally	C	Both of them

Q11: Egypt has a data and information management system with the aim of .... to ensure the achievement of food security.

A	Increasing the agricultural land	B	Controlling floods	C	Reducing population increase

Q12: Egypt has a data and information management system with the aim of increasing the agricultural area to ensure ....security

A	Water	B	Food	C	cyber

Q13: The data and information management system in Egypt helps engineers make decisions to develop.................................. systems

A	Education	B	Transportation	C	Irrigation

Q14: If you are not using the official software stores, be sure to download software from

A	reliable sources	B	unreliable sources	C	free sources



Fifth grade primary – second semester
Information and communication technology
lessons (1-4) THEME (4) Review – paper (2)
The third lesson is enriching for information only

Q15: To install the software on the computer, click on the download button from the Internet. You will find the file in the .... folder.

A	Pictures	B	Downloads	C	Documents

Q16: To download an application on your phone, you must first press the .... icon on your mobile phone.

A	Apps	B	Settings	C	messaging

Q17: To download an application on your mobile phone, you must go to the application store, such as..................

A	Google Maps	B	Google drive	C	Google play stores

Q18: You can help the program to work efficiently by........................

A	Delete it	B	Update it	C	Restart it

Q19: Updates are installed.................... in most programs from the internet

A	Automatically	B	Manually	C	By search

Q20: Some large updates on computers may require..............

A	Delete updates	B	Shut down computer	C	Restart computer

Q21: To manage updates on your computer, choose .... from Settings

A	Troubleshooting	B	Update and Security	C	Windows Firewall

Q22: To open the task manager on the computer, press and hold the...... buttons together

A	Ctrl+shift+Del	B	Ctrl+Alt+Del	C	Enter+Alt+Del

Q23: You can Use the task manager to close any program classified as .... in case the screen freeze.

A	Responding	B	not responding	C	working regularly

Q24: If your attempts to restore your computer did not succeed, you should press for a few seconds on ...., then restart.

A	power button	B	Mouse	C	keyboard

Q25: To solve the screen freeze problem on Android devices. Press the power button for .... seconds.

A	20	B	30	C	40

Q26: Computers use the .... system to store data more efficiently.

A	Binary	B	Octal	C	decimal

Q27: The binary system uses the two values............... to express the numbers in it.

A	(1,10)	B	(1,1)	C	(1,0)

Q28: Computers understand data (numbers) through .... signals.

A	Sound	B	Light	C	electric

Q29: In the electrical signals used by the computer to understand the data, the number .... means turning on.

A	0	B	1	C	2

Q30: In the electrical signals used by the computer to understand the data, the number .... means off.

A	0	B	1	C	2



Fifth grade primary - second semester
Information and communication technology
lessons (1-4) THEME (4) Review - paper (3)

The third lesson is enriching for information only

Q31: Users from around the world can edit the same document if an internet connection is available via

A	Office 365	B	Skype	C	WhatsApp

Q32: Users from around the world can edit the same document if the .... feature is activated.

A	Online search	B	Online editing	C	Online publishing

Q33: Users from around the world can edit the same document through Office 365 if .... is available

A	internet connection	B	keyboard	C	printer

Q34: Through ...., you can create and save images to be included in the document.

A	Word	B	Excel	C	Paint

Q35: Before starting your project, you should .... based on the strengths and interests of each individual in the group.

A	Defining needs	B	Assigning roles	C	Defining tools

Q36: .... can be used to send your work to others within the project working group

A	E-mail	B	instant messaging	C	video chats

****



Fifth grade primary - second semester
Information and communication technology
lessons (1-4) THEME (4) Review - paper (4)

The third lesson is enriching for information only

Complete the following sentences with suitable words from the brackets:

(sensors - save electricity - food security - thermostat - water security - solar power)

1 - Many countries have Transition away from power generated by fossil fuels Instead, ... are being used. (solar power)

2 - The temperature in air conditioners can be measured by .... to control the temperature. (thermostat)

3 - We can monitor the amount of energy used by refrigerators and air conditioners by .... throughout the day. (sensors)

4- Electricity can be stored and moved from one place to another to .... (save electricity)

5- Egypt has a data management system to increase the agricultural land to ensure........................ (food security).

Complete the following sentences with suitable words from the brackets:

(Google Play Store - Automatically - Update and Security - Restart - Update)

1 - After downloading the program from the Internet, open the .... folder to find the file to install. (downloads)

2 - Installing updates in Android You need to go to .... for the application whose updates you want to install. (Google Play Store)

3 - Software should be .... regularly to help it work more efficiently. (update)

4 - In most programs, updates are .... installed. (Automatically)

5 - To manage Updates in Computer Select .... from Settings. Then choose System Update. (Update and Security)

Complete the following sentences with suitable words from the brackets:

(Internet connection- Image - Weakness -MS Paint - Strength - Email)

1- .... program is used to modify and save images and graphics. (ms paint)

2-............... one of the digital tools that are used to send a document (e-mail).

3 - a Word document can be edited by numerous users, at different locations with............... (Internet connection)

4 - You can attach a document or .... to your e-mail message. (image)

5 - The roles in the project are assigned based on................ . for everybody . (Strength)



Fifth grade primary - second semester
Information and communication technology
lessons (1-4) THEME (4) Review - paper (5)
The third lesson is enriching for information only

Put the word (true) in front of the correct statement and the word (false) in front of the incorrect statement in the following:

1	Thermostats must be dispensed with to increase the efficiency of electrical appliances	false
2	Using technology to collect data is crucial in planning for the future	True
3	Fossil fuels are extracted from coal, natural gas and oil	True
4	Egypt has a data management system for increasing the agricultural land and ensuring food security	True
5	The use of energy data management systems leads to wastage of electricity	false
6	The world has recently turned to generate electricity from solar and wind energy	True
7	Sensors can be used to monitor the amount of energy used by appliances	True
8	The amount of energy used by a village does not change throughout the day	False
9	The energy used by air conditioners in the summer is greater than in the winter	True
10	moving and storing the electricity from one place to another so that the amounts are more equal evenly leads to waste of electrical energy	False
11	Egypt's data system data helps engineers develop irrigation systems	True
12	Most of the programs can be downloaded through the Internet	True
13	Always make sure to download applications from official stores or trusted sites	True
14	To find the software you downloaded, open the Documents folder on your computer	False
15	Google Play stores is one of the most popular official app stores	True
16	To install an application on an Android device, search for it in the App Store and press the Update button	False
17	Software should be updated regularly to help it run more efficiently	True
18	Most software updates are installed manually	False
19	To check for updates on your Android device, go to System, then System update	True
20	You must follow the instructions to install updates in Android devices correctly	True
21	To solve the of the screen freeze problem in computer, press and hold Ctrl+Alt+Shift	False
22	When the screen freeze on mobile device, press the power button for 30 seconds, restart	True
23	Computers use the octal system to store data more efficiently	False
24	Binary numbers can be considered a language that computers understand	True
25	The binary system uses two values (1,0) to express the numbers in it	True
26	The computer understands binary electrical signals, so (1) means off and (0) means on	False
27	MS word allows group members to work together at the same time	True
28	Drawings can be added to a Word document	True
29	It is preferable that roles in projects be assigned randomly	False
30	You can use email to send your project to your teacher	True
31	Roles are assigned in the project based on the features and strengths of each individual	True
32	Paint program is used to edit and save images	True
33	setting up the online editing feature allows multiple users to edit the same document	True
34	Internet is not required to allow modification to a file through the online modification feature	False



March exam
Fifth grade - information and communication technology
The exam has 15 marks for each question, one mark

Question 1 Put the word (true) in front of the correct statement and the word (false) in front of the wrong statement:

1	Digital maps such as Google chrome can provide clear directions to the required places.	
2	Asynchronous communication is useful when you do not need an immediate response.	
3	Using technology to collect data is crucial in planning for the future	
4	Google Play stores is one of the most popular official app stores	
5	It is preferable that roles in projects be assigned randomly	

Question 2 Choose the correct answer from the following:

1- .... helps you online to search for different media such as images and video.

A	ONLINE LIBRARIES	B	ONLINE MAPS	C	ONLINE MUSEUMS

2- the information under each link in a set of search results for a topic called

A	Advertisements	B	meta information	C	reviews

3- One of the digital tools for synchronous communication is .... which is during real time between people.

A	e-mail	B	recorded videos	C	instant chat rooms

4- When you send a message to a close friend, he needs time to respond, so you have to be ....

A	Polite	B	patient	C	Clear

5- .... is used to send information about appliances temperatures to the computer connected to it

A	Thermostat	B	Sensors	C	Bluetooth

6- Egypt has a data and information management system with the aim of .... to ensure the achievement of food security.

A	Increasing the agricultural land	B	Controlling floods	C	Reducing population increase

7- To open the task manager on the computer, press and hold the...... buttons together

A	Ctrl+shift+Del	B	Ctrl+Alt+Del	C	Enter+Alt+Del

8- In the electrical signals used by the computer to understand the data, the number .... means turning on.

A	0	B	1	C	2

9- Users from around the world can edit the same document if an internet connection is available via

A	Office 365	B	Skype	C	WhatsApp

10- Through ...., you can create and save images to be included in the document.

A	Word	B	Excel	C	Paint

Student name : ....
Class : ....

The exam includes:
Lessons (7-8) from the third theme
Lessons (1-4) from the fourth theme - there are no questions from the third lesson because it is enriching according to the official plan

إعداد جروب (كوكب بي سي - محمود ياسين)